**AMENDMENTS TO THE CLAIMS** 

1. (currently amended) A dumping station for use in a stock order filling system, the

dumping station comprising:

a collection area including a conveyor;

a bin disposed adjacent the conveyor and having a receiving end adapted to receive

articles and a discharge end, the bin having a dump mode, in which the articles in the bin are

discharged from the discharge end onto the collection area, and a pick mode, in which the

articles are retained in the bin, the bin being biased under force of gravity toward the dump

mode, the bin being rotatable about an axis, the bin having a center of gravity laterally offset

from the axis toward the discharge end;

an electronically controllable [[a]] releasable latch selectively engageable with the

bin, the latch selectively securing the bin in the pick mode against the force of gravity, the

latch being responsive to a release signal to release the bin; and

a controller operably coupled to the latch and having a processor programmed to

generate the release signal to release the latch, wherein upon the latch releasing the bin, the

bin automatically switches from the pick mode to the dump mode under the force of gravity

by rotating about the axis thereby to discharge the articles in the bin directly onto the

conveyor;

wherein the processor is programmed to generate the release signal as a selected area

of the conveyor passes the dumping station.

2. (original) The dumping station of claim 1, in which the releasable latch comprises

an electromagnet.

3. (original) The dumping station of claim 1, in which the processor is programmed

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to assign pick orders to the dumping station.

4. (canceled).

5. (original) The dumping station of claim 1, further comprising a status indicator

attached to the bin near the receiving end, the status indicator being movable between an

active position, to provide a visual indication that more articles are to be placed in the bin,

and an inactive position, to provide a visual indication that no more articles are to be placed

in the bin.

6. (previously presented) The dumping station of claim 1, further comprising a

support shaft, wherein the bin is pivotably mounted on the support shaft, the bin having a

center of gravity laterally offset from the support shaft so that the bin is biased to a dump

position corresponding to the bin dump mode, the bin being rotatable to a pick position

corresponding to the bin pick mode.

7. (original) The dumping station of claim 6, in which a weight is attached to the bin

near the discharge end to laterally shift the center of gravity of the bin toward the discharge

end.

8. (original) The dumping station of claim 6, further comprising a dump pedestal

positioned to engage the bin in the dump position, and a pick pedestal positioned to engage

the bin in the pick position, the pick pedestal carrying the releasable latch.

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9. (original) The dumping station of claim 8, in which the dump pedestal is oriented

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to direct articles onto the collection area.

10. (previously presented) The dumping station of claim 1, in which the bin

includes:

an inclined bottom wall so that the discharge end is positioned below the receiving

end;

a rear flap pivotably attached to the bin and movable between a closed position, in

which the rear flap closes off the receive end, and an open position, in which the rear flap is

rotated away from the receive end;

a front flap having a lower mass than the rear flap pivotably attached to the bin and

movable between a closed position, in which the front flap closes off the discharge end and

engages the releasable latch, and an open position, in which the front flap is rotated away

from the discharge end; and

a cable connecting the front flap to the rear flap so that the front flap is in the open

position when the rear flap is in the closed position and the front flap is in the closed position

when the rear flap is in the open position;

wherein the bin is in the pick mode when the rear flap is manually placed in the open

position and the front flap is held in the closed position by the releasable latch against the

force of gravity acting on the open rear flap, and is switched to the dump mode when the

latch is released, thereby allowing the force of gravity to pull the rear flap to the closed

position and the front flap to the open position.

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11. (original) The dumping station of claim 1, in which the bin includes a hinged

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bottom wall movable between a closed position, in which the bottom wall closes off the bin

discharge end and is held in place by the releasable latch against the force of gravity, and an

open position, in which the bottom wall is rotated away from the discharge end, wherein the

bin is in the pick mode when the bottom wall is manually placed in the closed position, and is

switched to the dump mode when the latch is released, thereby allowing the force of gravity

to pull the bottom wall to the open position.

12. (original) The dumping station of claim 11, in which the bottom wall is inclined

and the receive end is formed at a rear face of the bin.

13. (original) The dumping station of claim 11, in which the bottom wall is

substantially horizontal and the receive end is formed at a top face of the bin.

14. (original) The dumping station of claim 1, in which the bin is manually placed in

the pick mode.

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15. (currently amended) A dumping station for use in a stock order filling system

having a collection area, the dumping station depositing articles onto the collection area, the

dumping station comprising:

a stationary support mounted to a substrate;

a bin hingedly mounted to the stationary support for rotational motion relative to the

stationary support, the bin having a receiving end, a discharge end, and a center of gravity

laterally offset from the support toward the discharge end to bias the bin under force of

gravity toward a dump position, in which the discharge end is proximal to the collection area

and articles placed in the bin move toward the discharge end;

a releasable latch positioned to hold the bin against the force of gravity when

manually placed in a pick position, in which articles placed in the bin remain in the article

receiving end of the bin, the latch being releasable to allow the bin to pivot back toward the

dump position, the latch being responsive to a release signal to release the bin; and

a controller operably coupled to the latch and having a processor programmed to

generate the release signal to release the latch, wherein the bin automatically moves from the

pick position to the dump position under the force of gravity thereby to discharge articles in

the bin onto the collection area.

16. (original) The dumping station of claim 15, in which the releasable latch

comprises an electromagnet.

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17. (original) The dumping station of claim 15, further comprising a dump pedestal

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positioned to engage the bin discharge end in the dump position, and a pick pedestal

positioned to engage the bin in the pick position, wherein the pick pedestal carries the

releasable latch.

18. (original) The dumping station of claim 17, in which the dumping pedestal is

oriented to direct articles onto the collection area.

19. (original) The dumping station of claim 15, in which the processor is

programmed to assign pick orders to the dumping station.

20. (original) The dumping station of claim 15, in which the collection areas

comprises a conveyor, and the processor is programmed to generate the release signal as a

selected area of the conveyor passes the dumping station.

21. (original) The dumping station of claim 15, in which the support is positioned

below the bin.

22. (original) The dumping station of claim 15, in which a weight is attached to the

bin near the discharge end to laterally shift the center of gravity of the bin toward the

discharge end.

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23. (original) The dumping station of claim 15, further comprising a status indicator

attached to the bin near the receiving end, the status indicator being manually movable

between an active position, to provide a visual indication that more articles are to be placed in

the bin, and an inactive position, to provide a visual indication that no more articles are to be

placed in the bin.

24 - 38. (canceled).

39. (currently amended) A dumping system for use in a stock order filling system

having a collection area, the dumping system comprising:

a first bin having a receiving end adapted to receive a first set of articles and a

discharge end, the first bin having a dump mode, in which the first set of articles in the first

bin are discharged from the discharge end onto the collection area, and a pick mode, in which

the first set of articles are retained in the first bin, the first bin being biased under force of

gravity toward the dump mode;

a first releasable latch positioned to retain the first bin in the pick mode against the

force of gravity, the first releasable latch being responsive to a first release signal to release

the first bin;

a second bin having a receiving end adapted to receive a second set of articles and a

discharge end, the second bin having a dump mode, in which the second set of articles in the

second bin are discharged from the discharge end onto the collection area, and a pick mode.

in which the second set of articles are retained in the second bin, the second bin being biased

under force of gravity toward the dump mode;

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a second releasable latch positioned to retain the second bin in the pick mode against the force of gravity, the second releasable latch being responsive to a second release signal to release the second bin; and

a controller operably coupled to the first latch and the second latch and having a processor programmed to generate the first release signal to release the first latch and the second release signal to release the second latch, wherein the first bin and the second bin automatically switch from the pick mode to the dump mode under the force of gravity thereby to discharge the first set of articles in the first bin and the second set of articles in the second bin onto the collection area;

wherein the collection area comprises a conveyor, and the processor is programmed to generate the first release signal as a selected area of the conveyor passes the first bin to dump the first set of articles onto the selected area and is programmed to generate the second release signal as the selected area of the conveyor passes the second bin to dump the second set of articles onto the selected area.

- 40. (withdrawn) The dumping station of claim 1, further comprising a storage rack disposed adjacent to the bin.
- 41. (withdrawn) The dumping station of claim 40, wherein the storage rack includes an indicator.
- 42. (withdrawn) The dumping station of claim 41, wherein the controller is operably coupled to the indicator, wherein the controller directs the indicator to indicate the articles to be picked from the shelf section.